

What is claimed is:

1. An arrangement of induction heating elements such that the induction heating element is mounted or placed underneath a continuous granite surface or other suitable high heat surface top material thus substantially simplifying installation in a seamless manner.
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2. A seamless cook top or cooking area, which may be defined by placement of markings and/or material, and/or projected lighting of that area by use of various means.
3. As per claim 1 in which the attachment or mounting means is defined to incorporate the use of a mechanical screw type attachment which may use a suitable insert material within the underside of said surface material in order to accommodate mounting screws.
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4. As per claim 1 in which the attachment or mounting means is defined to be a sliding track, which would allow for easy replacement of the induction coils if such a need arises. The track may be mounted to the underside of the top surface or to any other suitable support structure.
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5. As per claim 1 in which the attachment or mounting means is defined to be a slotted rail which would be similar to the sliding track in functionality but with a simple slotted drawer type of design which maybe mounted to the underside of the top surface or to any other suitable support structure.
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6. As per claim 1 in which the attachment or mounting means is defined to be through the use of a suitable adhesive material applied to the under side of said surface material.

7. As per claim 1 in which the attachment or mounting means is defined to be the use of spring clips which would be attached to the under side of the surface top and provide a tight contact between the induction element and the underside of the cook top surface
- 5 8. A cook top as per claim 2 wherein the cooking area is defined by a decorative insert of granite or other suitable material which may or may not be of a differing color which may or may not be flush to the surrounding surface top area which may or may not be an insulator material.
- 10 9. A cook top as in claim 3 wherein the use of inserts is replaced by the use of a suitable adhesive and a mounting material or bracket as in fig 1 which is then mechanically attached to the induction element using screws.
- 15 10. As per claim 1 wherein the placement of the induction element is provided by a support pedestal or shelf which is mechanically secured to the floor or cabinet and the induction element is secured to the shelf or pedestal by mechanical means or by the use of an adhesive.
- 20 11. An arrangement of induction heating elements such that in an installation there may be a Granite top or other suitable decorative high heat material used in a drop-in configuration, thus there would be a Granite surface or other suitable decorative surface top material which may or may not be of a high heat material which is cut out in order to accommodate the drop-in induction coils which would also have a Granite surface and/or other suitable high heat decorative surface material which may or may not be of

a differing color and which may or may not be flush with the surrounding Granite surface or other suitable decorative surface top material.

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12. A method of installation which would allow for proper placement of the stove top markings of the stove top elements is provided for by the use of flux paper or other suitable visual indication which would directly identify the exact location of the active magnetic flux field areas thus allowing for exact placement of the markings and/or material or projected lighting identifying the stove top elements.
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13. The use of thermochromatic polymers in the marking and/or material or projected light, which may be of a certain color identifying the heat surface area providing a visual indication as to any residual heat or active heat that may be present.
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14. As per claim 13 wherein the thermochromatic polymer or projected lighting is used to reveal or hide the word HOT or any other word, letters, symbol, design or logo in the heat surface area of various languages which is dependent upon temperature.
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15. As per claim 2 wherein the markings and/or material is an insulator material which may or may not be thermochromatic such that the cookware used is prevented from being in direct physical contact with the surface top material thus preventing the transfer of thermal energy from said cookware into the surface top material under the cookware and the surrounding area thus providing for a much cooler surface top area.
16. As per claim 8 wherein the markings and/or material is an insulator

material which may or may not be thermochromatic such that the cookware used is prevented from being in direct physical contact with the surface top material thus preventing the transfer of thermal energy from said cookware into the surface top material under the cookware and the surrounding surface top area thus providing for a much cooler surface top area.

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17. As per claim 2 in which the markings are in brail.

18. As per claim 1 wherein a grate top material is used such as steel which would be caused to heat up when placed on the active induction heat top area or cook top surface thus providing for a grilling means on the cook top surface.

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19. As per claim 1 wherein a solid top material is used such as steel which would be caused to heat up when placed on the active induction heat top area or cook top surface thus providing for a means of using cookware which do not work well with induction type heating elements such as aluminum on the cook top surface.

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20. As per claim 19 wherein the solid material, which may or may not use a thermochromic material, is insulated from the surface top area by use of an insulator material.

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21. As per claim 18 wherein the solid material, which may or may not use a thermochromic material, is insulated from the surface top area by use of an insulator material.